

FIG. 1

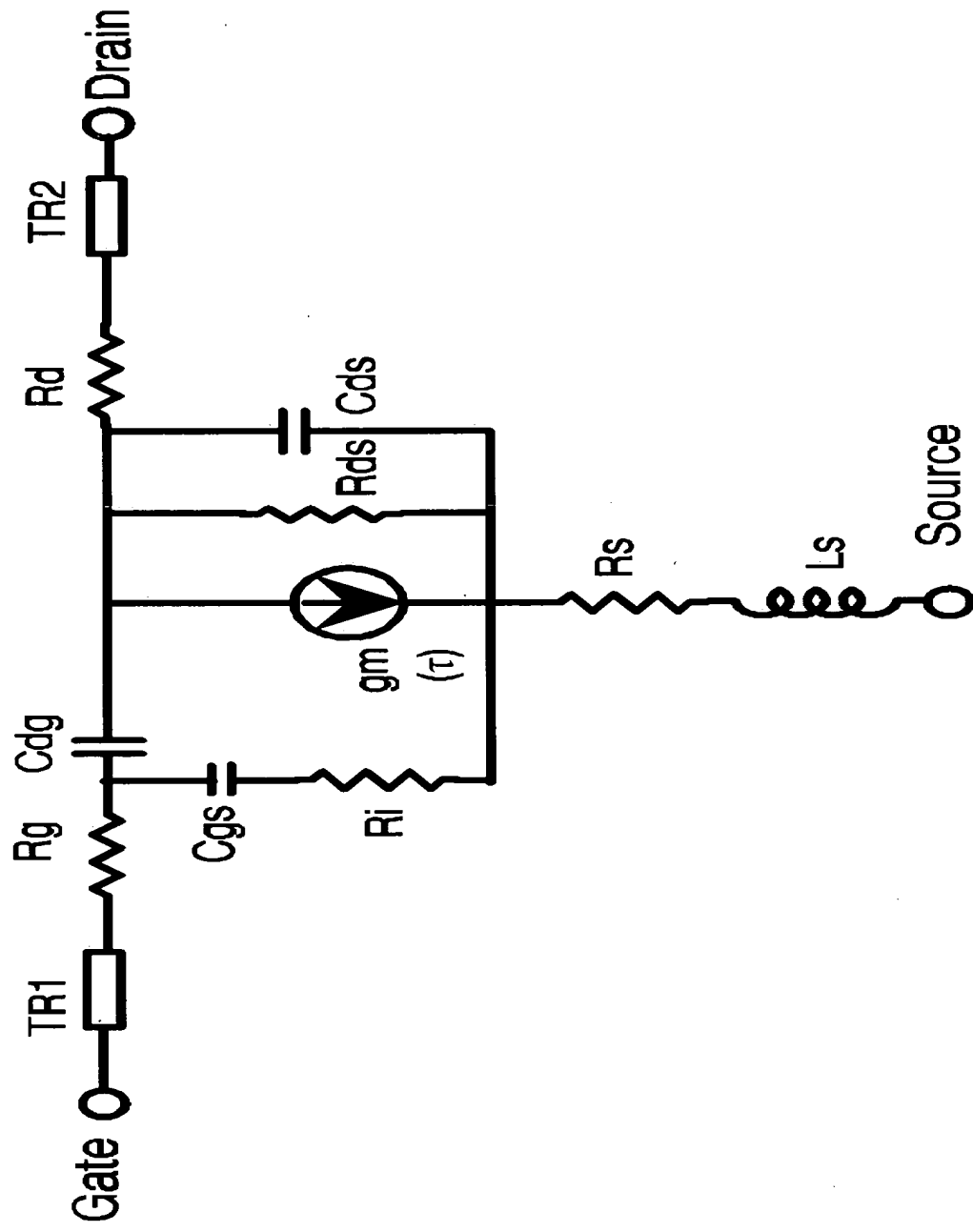


FIG. 1a

	Vp (V)	BVgd (V)	Ids (mA/mm)	Gmax (mS/mm)	Imax (mA/mm)
Power		-1.0 ± 0.050	>12	450	>350
D-mode		-1.0 ± 0.050	>6	450	>450
E-mode		+0.1 ± 0.050	>6	160	>500

	Ft (GHz)	Fmax (GHz)	NF (dB)	Rds (ohm-mm)	Gm (mS/mm)
Power		>30	>100	N/A	>28
D-mode		>50	>100	<0.8	>28
E-mode		>50	>100	<0.8	>28

FIG. 1b

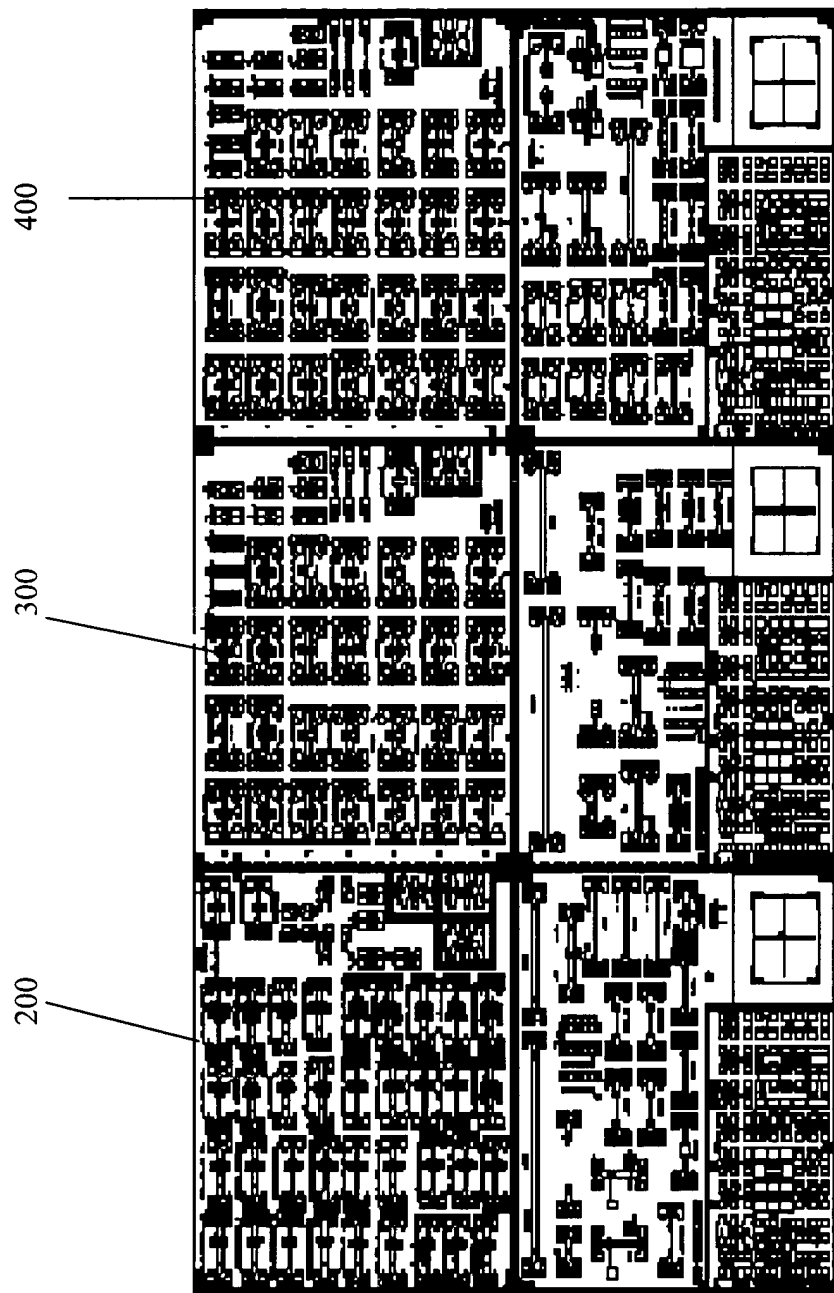


FIG. 2

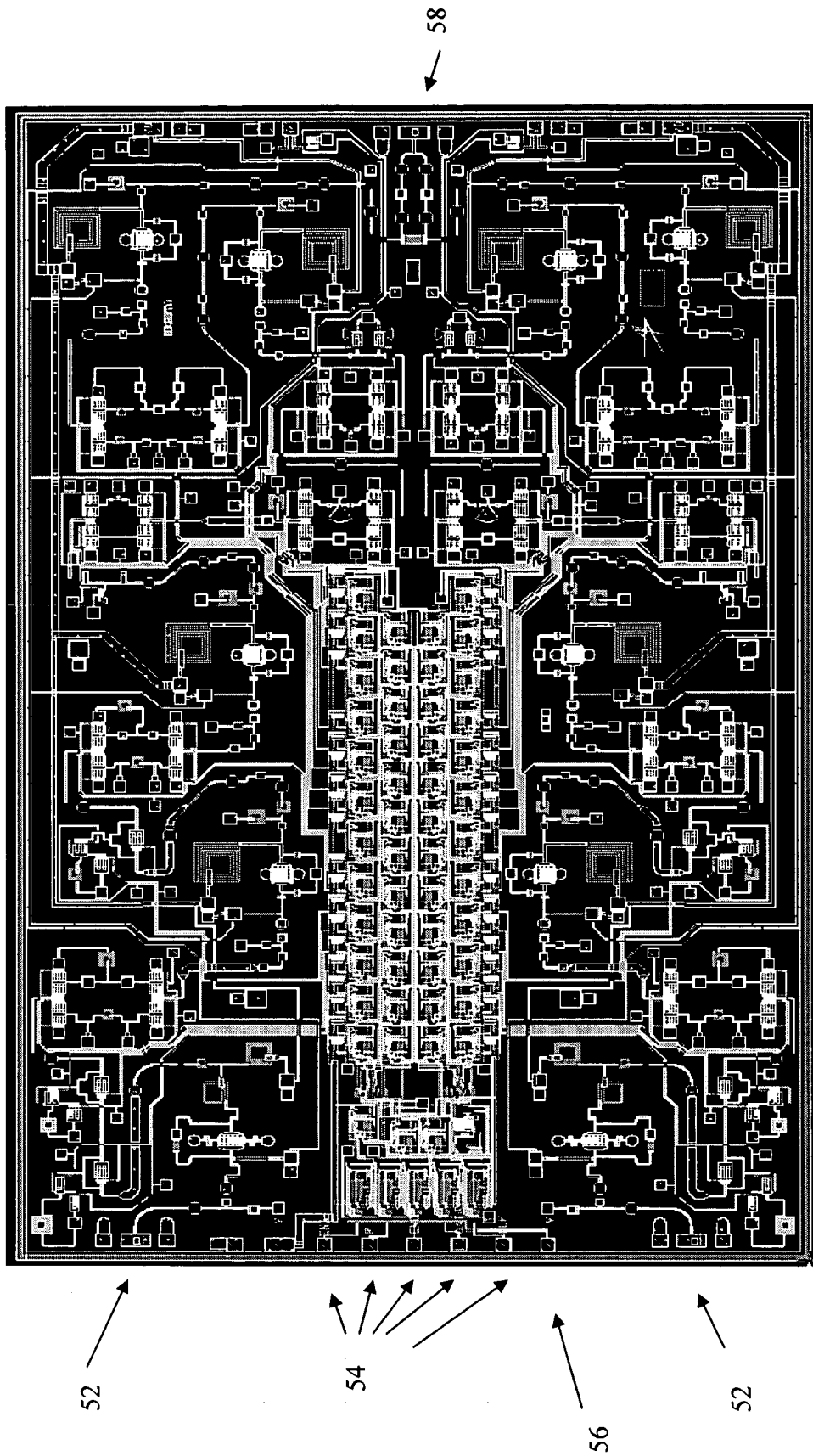


FIG. 2a

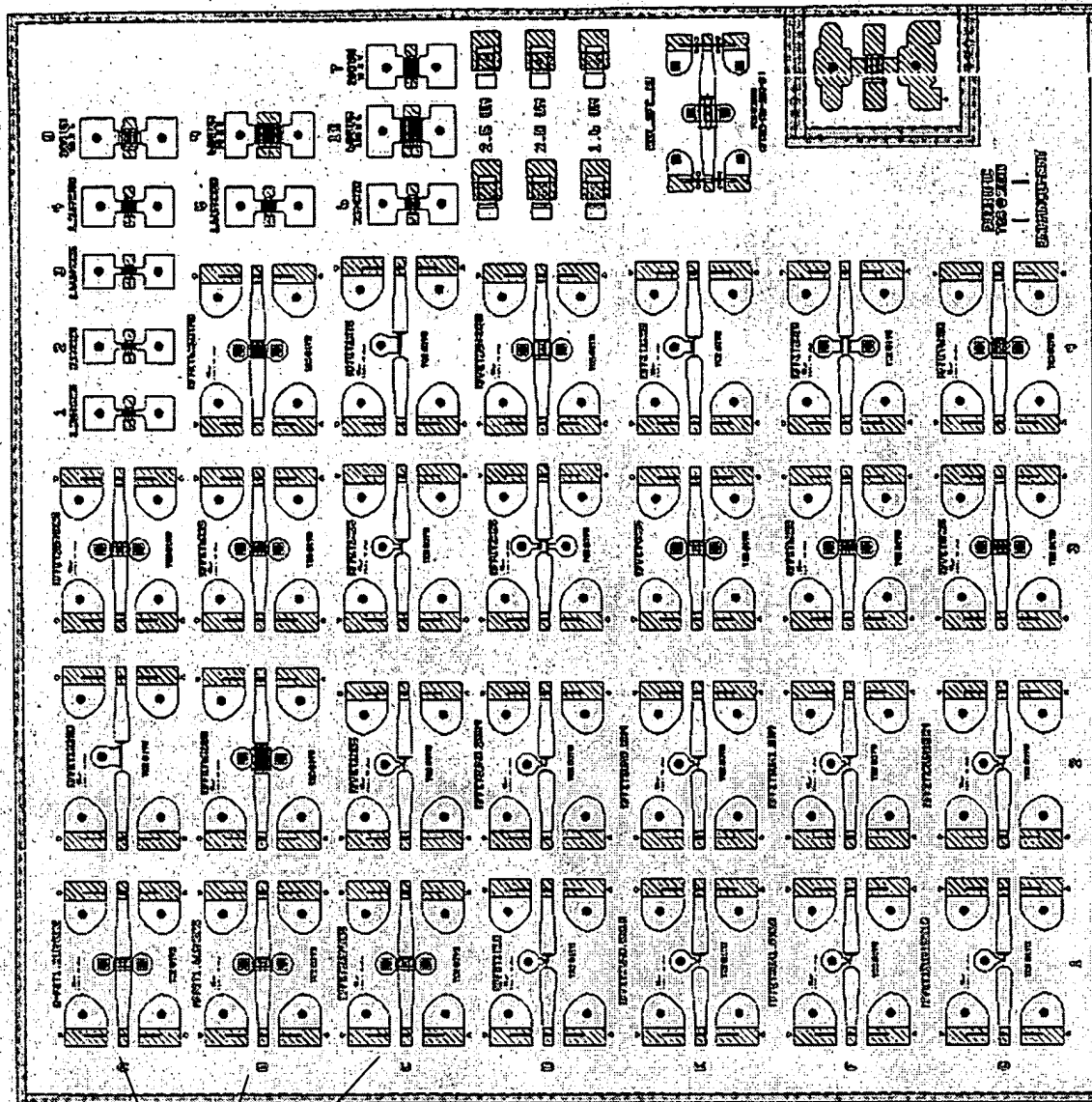


FIG. 4

30

300

GAIN STAGE V8



FIG. 5a

3 INPUT AND CELL

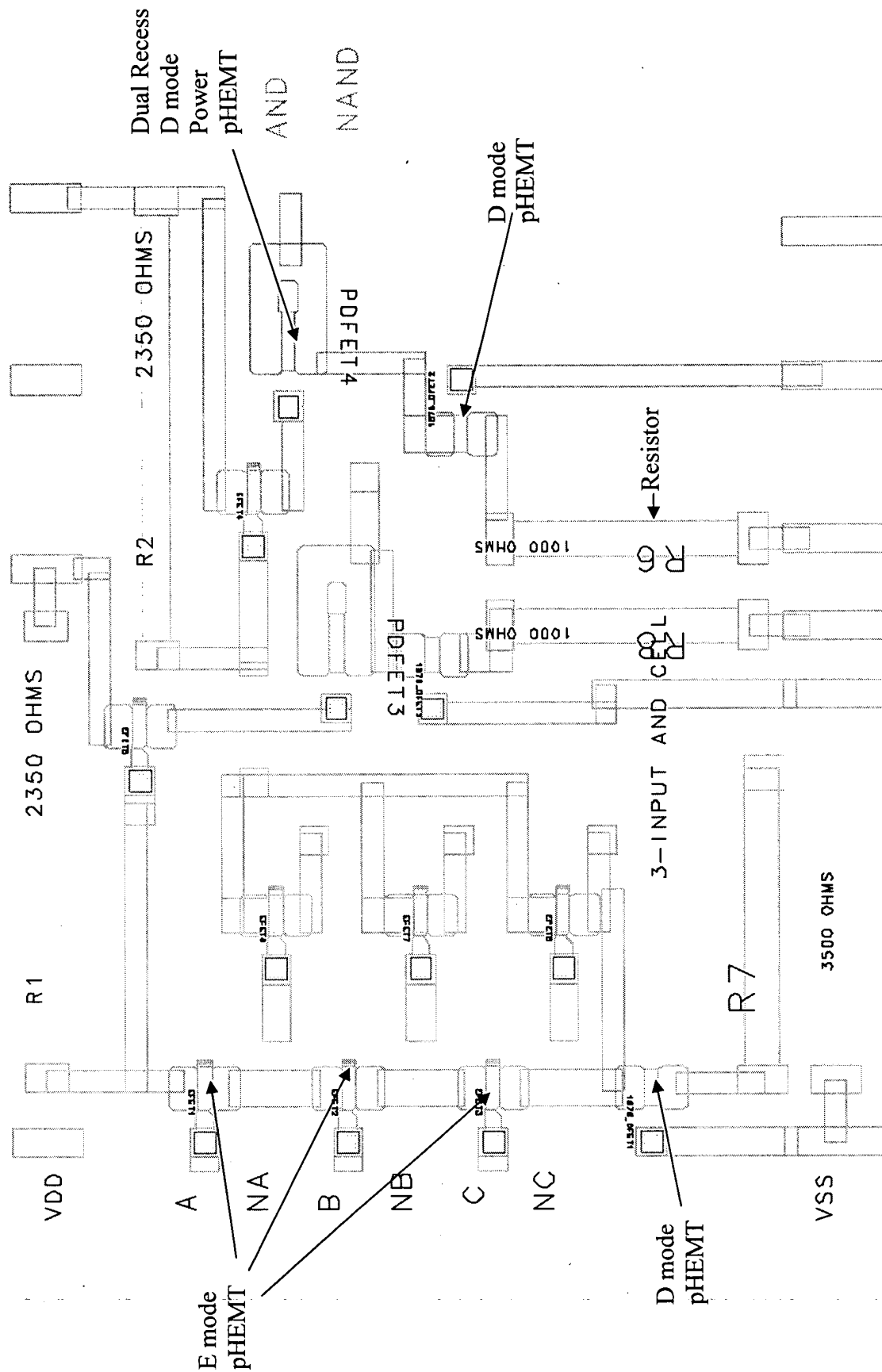


FIG. 5b

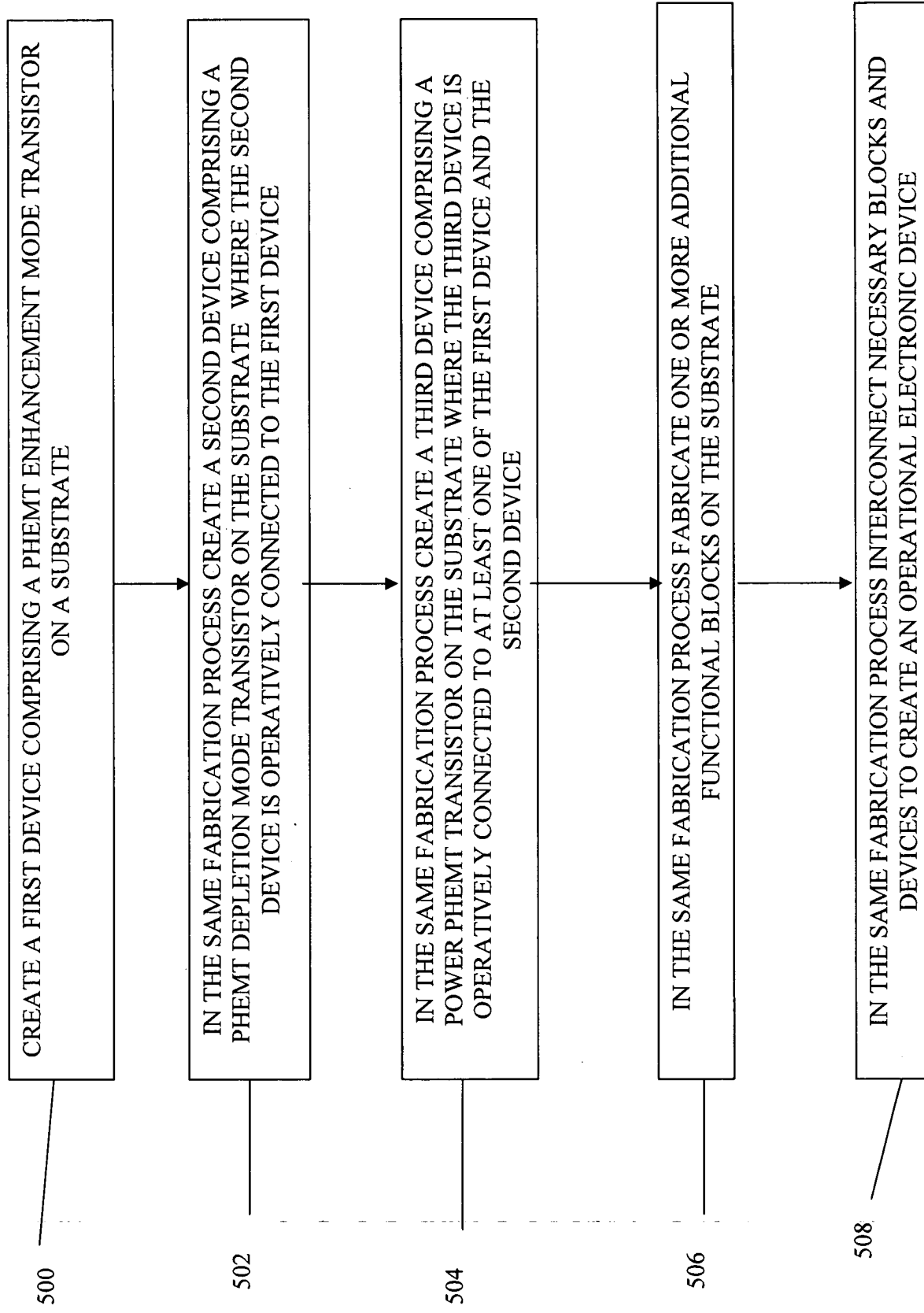


FIG. 6

HDI Power/E/D PHEMT Process Flow

